

Title (en)

BATTERY SYSTEM MONITORING APPARATUS

Title (de)

BATTERIESYSTEMÜBERWACHUNGSVORRICHTUNG

Title (fr)

APPAREIL DE SURVEILLANCE DE SYSTÈME DE BATTERIE

Publication

EP 3260871 B1 20191127 (EN)

Application

EP 16752282 A 20160203

Priority

- JP 2015029783 A 20150218
- JP 2016053128 W 20160203

Abstract (en)

[origin: EP3260871A1] An object is to achieve management control of an assembled battery using an accurate measured value of a cell voltage. A battery system monitoring apparatus 10 that monitors and controls a battery system includes battery monitoring circuits 100 provided for respective cell groups 120. Each of the battery monitoring circuits 100 includes a cell voltage measurement module 6 that is connected with two electrodes of respective single battery cells 110 of a corresponding cell group 120 via voltage detection lines 2 and that measures a cell voltage of each of the single battery cells 110 at each of predetermined timings. An RC filter 4 is connected with the voltage detection lines 2. The RC filter 4 includes resistors and capacitors. The cell voltage measurement module 6 extends intervals at which the cell voltage is to be measured when a stored charge amount in the capacitor in the RC filter 4 changes.

IPC 8 full level

G01R 31/396 (2019.01)

CPC (source: EP US)

G01R 19/00 (2013.01 - US); **G01R 31/36** (2013.01 - US); **G01R 31/396** (2018.12 - EP US); **H01M 10/48** (2013.01 - EP US); **H02J 7/02** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

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DOCDB simple family (publication)

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